

CLAIMS

(1) A pipe joint made of resin, comprising:

5 a sleeve-like inner ring which is to be pressingly inserted into one end portion of a pipe member to be integrated with said pipe member under a state where said inner ring is outward protruded in an axial direction from one end portion of said pipe member;

10 a joint body in which a cylindrical receiving port is formed in one end portion, an insertion portion of said pipe member into which said inner ring is pressingly inserted being to be inserted into said receiving port; and

15 a pressing ring which is to be screwed to said one end portion of said joint body, presses said inner ring from an outer side of said pipe member by means of screw advancement toward said one end portion of said joint body, to cause a projected tip end portion of said inner ring to abut against an inner area of said receiving port of said joint body, thereby forming a sealing portion,

20 wherein an inner radial face of said projected tip end portion of said inner ring is formed as a conical tapered face in which a diameter is larger as further moving toward an outer side in the axial direction,

25 a cylindrical groove is formed in an inner area of said receiving port of said joint body, said projected tip end portion of said inner ring including said conical tapered face

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is to be fitted into the axial direction, and said groove cooperates with at least one of a place of said conical tapered face and a place on a side of an outer radial face of said projected tip end portion, to form said sealing portion.

5 (2) A pipe joint made of resin according to claim 1, wherein said conical tapered face of said projected tip end portion of said inner ring is formed to have an inclination angle of 1 to 60° with respect to an axis.

10 (3) A pipe joint made of resin according to claim 2, wherein the inclination angle of said conical tapered face of said projected tip end portion of said inner ring with respect to the axis is set to 5 to 20°.

15 (4) A pipe joint made of resin according to claim 1, wherein one or plural projections which are projected in a radially outward direction and abut against an inner peripheral face of said receiving port of said joint body to form said sealing portion are disposed on said outer radial face of said projected tip end portion of said inner ring.

20 (5) A pipe joint made of resin according to claim 4, wherein said one or plural projections are disposed with being separated from one another by a gap in the axial direction.

25 (6) A pipe joint made of resin according to claim 1, wherein said outer radial face of said projected tip end portion of said inner ring is formed as a conical tapered face in which a diameter is smaller as further moving toward an

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outer side in the axial direction.

5 (7) A pipe joint made of resin according to claim 4, wherein said outer radial face of said projected tip end portion of said inner ring on which said projections are formed is formed as a conical tapered face in which a diameter is smaller as further moving toward an outer side in the axial direction.

10 (8) A pipe joint made of resin according to claim 1, wherein a cylindrical portion which abuts against an inner peripheral face of a cylindrical portion on an inner radial side of said cylindrical groove of said joint body is formed integrally with an inner radial side of said projected tip end portion of said inner ring.

15 (9) A pipe joint made of resin according to claim 4, wherein a cylindrical portion which abuts against an inner peripheral face of a cylindrical portion on an inner radial side of said cylindrical groove of said joint body is formed integrally with an inner radial side of said projected tip end portion of said inner ring on which said projections are  
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